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evention Title: Multi-Axes Tool Compensation – 3D and 5-axis real-time interactive tool compensation inside the CNC machine tool controller.

Inventor: Gary John Corey Application No. 10/079,309 Inventor's Phone No.: (909) 674-8100

& C	NC Mach	ine Tool P	arameters	Ver 12		, , , , , , , , , , , , , , , , , , , ,									Σ
	Size	Horz		Paramet Height		Custom1	Custom2			Definition Bottom angle		d Mode ( Length			
- 1	0.25	0.0			0.0		0		0.0	0.0	0.0	3.0	0 -		
2	0.0		0		0.0		0		0.0	)	0.0	0.0	0		
3 -	0.0		0.0	السيستية ال	0.0		0	1	0.0		0.0	0.0	0		
4	0.0		0.0		0.0		0		0.0	0.0	0.0	0.0	0		
5-	0.0	*******************	0.0	0.0	0.0	10	0		0.0	0.0	0.0	0.0	0	entinal des	- 1 - man
8	0.0	0.0	0.0	0.0	0.0		0		0.0		0.0	0.0	0		
7	0.0	0	0.0		0.0		0		0.0	0.0	0.0	0.0	0		
8	0.0	0.0	0.0	0.0	0.0	Jo	0		0.0	0.0	0.0	0.0	0		
9.	0.0	0.0	0.0	0.0	0.0	0	0		0.0	0.0	0.0	0.0	0		
10	0.0	0.0	0.0	0.0	0.0	0	0		0.0	0.0	0.0	0.0	0		
X [0.0 X [0.0 Y Z [0.0 4 [0.0 7 [0.0]	G54 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	G55 [0.0 ] [0.0 ] [0.0 ] [0.0 ] [0.0 ]	Fishure ( G56 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0	5 6 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	658 0.0 0.0 0.0 0.0 0.0 0.0	8   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0	Bitmap ( Graphic  0.001  7	c de les	Disable Z,S code Displa Solids vs W erance (ma ck Skip Ch ach File Na Centers (0) ntal (1)	th and position aracter me (No Path	nally) oning) s) Stock		300		
F5	Tool D	efinition	s F6 T	ool Life	F7 To	ol Photo	s F8 Cor	ΥE	rt to Metric	F9 Cor	wert to Incl	J			

FIG 1.



Inventor: Gary John Corey Application No. 10/079,309 Inventor's Phone No.: (909) 674-8100

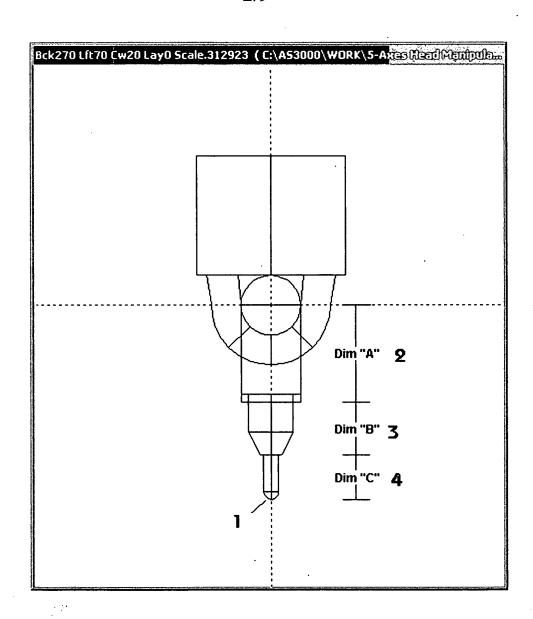
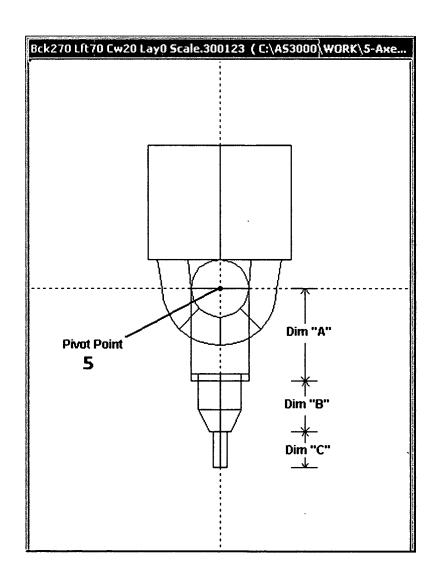


FIG 2.



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**FIG 3.** 



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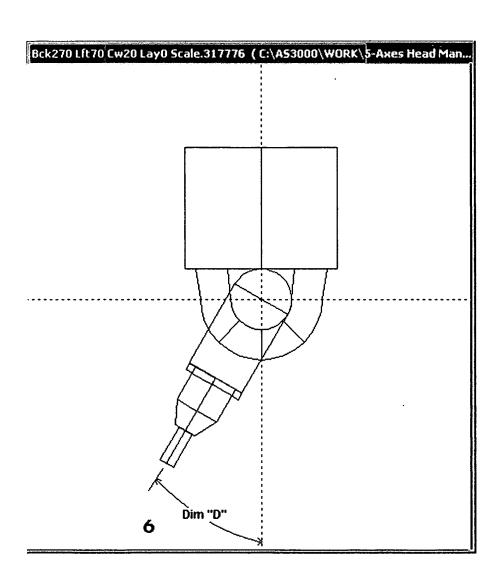
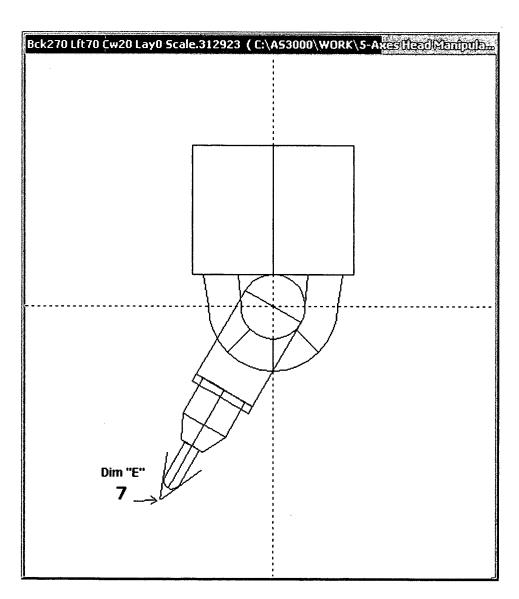


FIG 4.



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**FIG 5.** 



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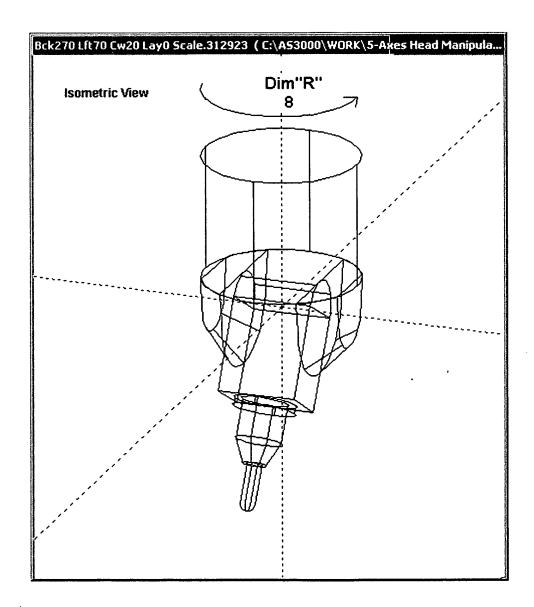
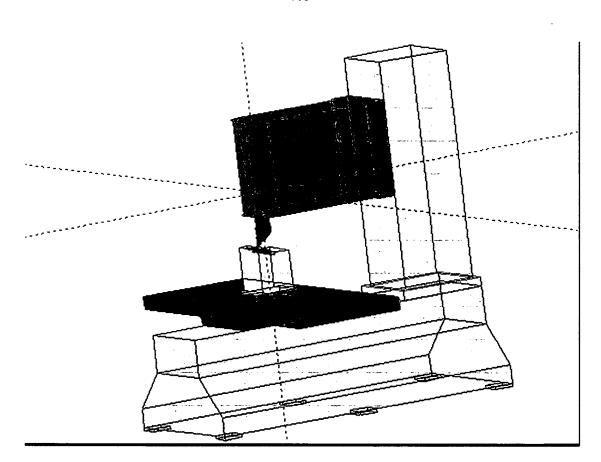


FIG 6.

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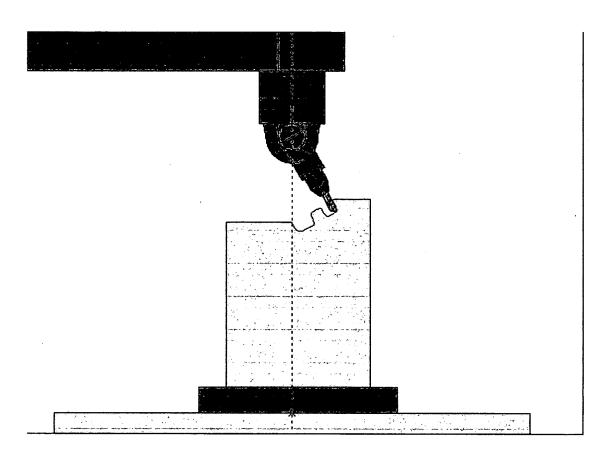
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**FIG 7**.

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**FIG 8.** 



Inventor: Gary John Corey Application No. 10/079,309 Inventor's Phone No.: (909) 674-8100

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N10 T01 M6
N20 G90 S200 M3
N30 G0 A270. B0
N40 X0 Y-21. Z0 M8
N50 Z20.5
N60 G1 Y-10.933 Z17.9365 A270. B-30. F10.
N70 Y-3.2465 Z10.75 A270. B-60.
N80 Y0 Z.5 A270. B-90.
N90 Y-3.2465 Z10.75 A90. B-60.
N100 Y-10.933 Z17.9365 A90. B-30.
N110 Y-21. Z20.5 A90. B0
N120 G1 Z0
N130 G0 A0 B0
N140 X0 Y-21. Z0 S200 F10.
N150 G1 Z20.5
N160 G1 Y-10.9332 Z17.9367 A0 B-29.9993 F10.
N170 Y-3.2463 Z10.7498 A0 B-60.0007
N180 YO Z.5 AO B-90.
N190 Y-3.2465 Z10.75 A180. B-60.
N200 Y-10.933 Z17.9365 A180. B-30.
N210 Y-21. Z20.5 A180. B0
N220 Z0
N230 G0 A0 B0
N240 M30
```

FIG 9.